

State of Louisiana
Department of Transportation and Development (DOTD)
Materials and Testing Section Approved Materials Procedure
for

ASPHALTIC MATERIALS

MATERIAL SPECIFICATION REFERENCE:

DOTD Standard Specifications Section 1002.

PRELIMINARY REQUIREMENTS:

Approved Materials Evaluation Form

The supplier shall submit a standard "Approved Materials Evaluation Form" to the DOTD Materials and Testing Section Coordinator listed below, along with a letter requesting evaluation for the Approved Materials List for each product.

General Information

Include all pertinent information relative to the material to be evaluated; including, but not limited to, manufacturer's specifications, typical analysis and a Safety Data Sheet (SDS) if applicable. Type and % polymer used in polymer modified asphalt cement. This information will be used for source approval and long term performance evaluation information.

Plant Inspection

Prior to approval of asphaltic materials, an inspection of the plant by DOTD Materials Laboratory is required. Storage, handling (including polymer modification processes, where applicable) and quality control of the material shall be approved by the Materials Engineer. For plant blended polymer modified asphalt cements, the complete blending and modification process must be approved at the plant before source approval will be given.

Certification and/or Test Reports

For asphalt cements, a temperature versus viscosity curve shall be furnished with recommended mixing and compaction temperatures.

For asphaltic materials submitted for evaluation, the supplier shall submit a notarized certificate of analysis reporting actual test results.

Sample (to be furnished at no cost to the Department)

The material shall be sampled in accordance with DOTD S201. The quantities required are as follows:

Asphalt Cements - 1 qt friction top can
Cutback Asphalts - 1 qt screw top can
Emulsified Asphalts - 1 gal. plastic bottle
Polymerized Asphalt Cements - 1 quart friction top can
Emulsified Polymerized Asphalts - 1 gallon plastic bottle
Polymer - 1 pint friction top can

TEST REQUIREMENTS:

Laboratory Testing

Approved material samples shall be tested in accordance with the applicable test procedures shown in the attached specifications.

For plant blended polymer modified asphalt cements, qualification samples shall be taken during production of polymer modified asphaltic concrete and shall meet specification requirements before source approval is given.

Facility Inspection

A facility inspection shall be required in order to ascertain process and quality control capabilities of the refinery or plant blending operations.

Evaluation Time

Laboratory testing --- 2 - 4 weeks

Facility Inspection --- 2 - 4 weeks

GENERAL:

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the material will or will not be added to the Approved Materials List. The Department reserves the right to reevaluate any material at any time.

Notification in writing must be supplied to the Department in the event of a change in the source of constituents used for the asphaltic materials. The constituents include the base asphalts and all additives (e.g., polymers, anti-strip, etc.). All constituents shall be materials which have been approved for use by the Department. The Department must

be notified in writing of any change in material formulation. Significant changes may require reevaluation of the material.

PROJECT ACCEPTANCE REQUIREMENTS:

Inclusion of your product on the Approved Materials List is not blanket approval for its use.

All products, regardless of prior approval, shall be sampled in accordance with the Materials Sampling Manual.

DISQUALIFICATION:

Any material may be removed from the Approved Materials List for non-conformance with specifications or performance requirements. The Department must be notified in writing of any change in material formulation or quality control process. Significant changes may require reevaluation of the material.

A material which has not had at least one approved tank sample within one year may be removed from the Approved Materials List.

REQUALIFICATION:

A material which has been disqualified and removed from the Approved Materials List will be considered for reevaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification have been resolved.

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DOTD MATERIALS AND TESTING SECTION COORDINATOR

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